

Dust Holding Capacity of Some Selected Road Side Tree Species

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Abstract : Dust pollution refers to the various locations, activities, or factors which are responsible for the releasing of pollutants into the atmosphere. The sources of dust can be classified into two major categories anthropogenic sources (man-made sources) and natural sources. Dust kicked up by heavy vehicles (Bus, Truck, Loaders, Tankers, car etc.) travelling on highways may make up approximately 33-40% of air pollution. Plants naturally cleanse the atmosphere by absorbing gases and particulate matter plants (Leaves). Plants are very good pollution indicator and also very good for dust capturing (Dust controlling). Many types tree species like *Azadirachta indica* A. juss, *Butea monosperma* (Lam.) Kuntz., *Ficus bengalensis* (Linn.), *Pterocarpus marsipium* (Roxb.), *Terminalia arjuna* (Roxb, exDC.), *Dalbergia sissoo roxb.*, and *Ficus religiosa* (Linn.) generally occur in roadside. These selected tree species can control the dust pollution or dust capturing. It is well known that plants absorb particulate pollutants and help in dust controlling. Some tree species like (*Ficus bengalensis*, *Ficus religiosa* and *Azadirachta indica*) are very effective and natural means for controlling air pollution.

Keywords : dust, pollution, road, tree species

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